

| Ref # | Hits     | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|----------|---|---|------------------|---------|------------------|
| S1    | 125844   | (semiconductor or semi-conductor or (semi near conductor))near3 laser   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/01/03 11:58 |
| S2    | 6408     | ((semiconductor or semi-conductor or (semi near conductor))near3 laser) and ((surface near emit\$4) or surface-emit\$4)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/01/03 12:01 |
| S3    | 2363     | ((semiconductor or semi-conductor or (semi near conductor))near3 laser) and ((surface near emit\$4) or surface-emit\$4) and coat\$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/01/03 12:01 |
| S4    | 2307     | ((semiconductor or semi-conductor or (semi near conductor))near3 laser) and ((surface near emit\$4) or surface-emit\$4) and coat\$4 | US-PGPUB;<br>USPAT  | AND              | ON      | 2006/01/03 12:08 |
| S5    | 30895300 | (@pd or @rlad or @prad or @ad)<"20000809"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/01/03 12:12 |
| S6    | 1244     | S4 and S5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/01/03 12:09 |
| S7    | 40017    | ("372").CLAS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/01/03 12:10 |
| S8    | 519      | S6 and S7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/01/03 12:10 |

|     |          |                            |   |     |     |                  |
|-----|----------|----------------------------|---|-----|-----|------------------|
| S9  | 27732348 | (@pd)<"20000809"           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/01/03 12:13 |
| S10 | 570      | S9 and S4                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/01/03 12:18 |
| S11 | 275      | S10 and S7                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/01/03 12:30 |
| S12 | 46883    | \$5reflect\$4 near coating | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/01/03 12:31 |
| S13 | 126      | S11 and S12                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/01/03 13:51 |
| S14 | 1355     | (372/75).CCLS.             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/01/03 13:52 |
| S15 | 584      | (372/75).CCLS.             | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR  | OFF | 2006/01/04 09:09 |
| S22 | 15       | \$"56006492"\$             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/01/03 16:54 |

| Ref # | Hits  | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|--|------------------|---------|------------------|
| S1    | 74916 | (semi near conductor or semi-conductor or semiconductor) and laser and active   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2006/01/04 09:12 |
| S2    | 13128 | (semi near conductor or semi-conductor or semiconductor) and laser and active and reflective                              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2006/01/04 09:16 |
| S3    | 13444 | (semi near conductor or semi-conductor or semiconductor) and laser and active and \$4reflective                           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2006/01/04 09:19 |
| S4    | 2819  | (semi near conductor or semi-conductor or semiconductor) and laser and active and (\$4reflective near coat\$3)            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2006/01/04 09:20 |
| S5    | 2847  | (semi near conductor or semi-conductor or semiconductor) and laser and active and (\$5reflective near coat\$3)            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2006/01/04 09:32 |
| S6    | 459   | (semi near conductor or semi-conductor or semiconductor) and laser and active and (\$5reflective near coat\$3) and stripe | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2006/01/05 11:06 |
| S7    | 85    | broad near stripe near laser  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2006/01/05 14:02 |
| S9    | 1172  | VCSEL and (@pd )<"20010809"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2006/01/05 15:03 |

|     |      |  |   |     |    |                  |
|-----|------|--|---|-----|----|------------------|
| S10 | 3630 | ((((surface near3 emitting))) near3 laser) and (@pd )<"20010809"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/05 15:17 |
| S11 | 65   | ((((surface near3 emitting))) near3 laser) and (semi near3 conductor)and (@pd )<"20010809"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/05 15:48 |
| S12 | 2568 | ((((surface near3 emitting))) near3 laser) and ((semi near3 conductor) or semiconductor)and (@pd )<"20010809"                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/05 15:49 |
| S13 | 1839 | ((((surface near3 emitting))) near3 laser) and (((semi near3 conductor) or semiconductor) near3 laser)and (@pd )<"20010809"                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 08:39 |
| S14 | 1459 | ((((surface adj3 emitting))) near3 laser) and (((semi near3 conductor) or semiconductor) near3 laser)and (@pd )<"20010809"                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 09:30 |
| S15 | 0    | ((((surface adj3 emitting))) near3 laser) and (((semi near3 conductor) or semiconductor) near3 laser)and (@pd )<"20010809" and "371".clas. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 09:30 |
| S16 | 615  | ((((surface adj3 emitting))) near3 laser) and (((semi near3 conductor) or semiconductor) near3 laser)and (@pd )<"20010809" and "372".clas. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 10:09 |
| S17 | 844  | S14 not S16  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 12:19 |

|     |       |  |   |     |    |                  |
|-----|-------|--|---|-----|----|------------------|
| S18 | 35344 | cylindrical near3 lens   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 12:19 |
| S19 | 18951 | cylindrical near3 lens and laser   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 14:40 |
| S20 | 38    | cylindrical near3 lens and (broad near3 stripe near3 laser)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 14:51 |
| S21 | 39    | ((cylindrical or cylinder) near3 lens and (broad near3 stripe near3 laser)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 16:55 |
| S23 | 2170  | ((cylindrical or cylinder) near3 lens) and ((broad near3 stripe near3 laser) or (laser near3 array)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/06 17:00 |
| S24 | 39    | ((cylindrical or cylinder) near3 lens) and (broad near3 stripe near3 laser)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/09 08:28 |
| S25 | 39    | ((cylindrical or cylinder) near3 lens) and (((broad near3 stripe) or broadstripe) near3 laser)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/09 08:27 |
| S26 | 456   | ((cylindrical or cylinder) near3 lens) and (broad near5 laser)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/01/09 08:28 |

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| S1    | 572  | silica near3 glass and "372".clas.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/01/11 11:27 |
| S2    | 3    | ((("6263002") or ("5136598") or ("5220572"))).PN.         | US-PGPUB;<br>USPAT  | OR               | OFF     | 2006/01/11 12:24 |
| S3    | 1769 | ingaasp same substrate same laser same form\$6            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/01/12 09:19 |
| S4    | 240  | ingaasp same substrate same laser same diode same form\$6 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/01/12 09:19 |